

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P1030640

Luminaire Tested: S123DIW-B1000D1030UB2750-4F0-XX-W2A-A_2700K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1030640
REPORT IS A COMBINATION OF REPORTS P990530 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIW-B1000D1030UB2750-4F0-XX-W2A-A_2700K
Description: Define 3 Direct/Indirect Wall Mount with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

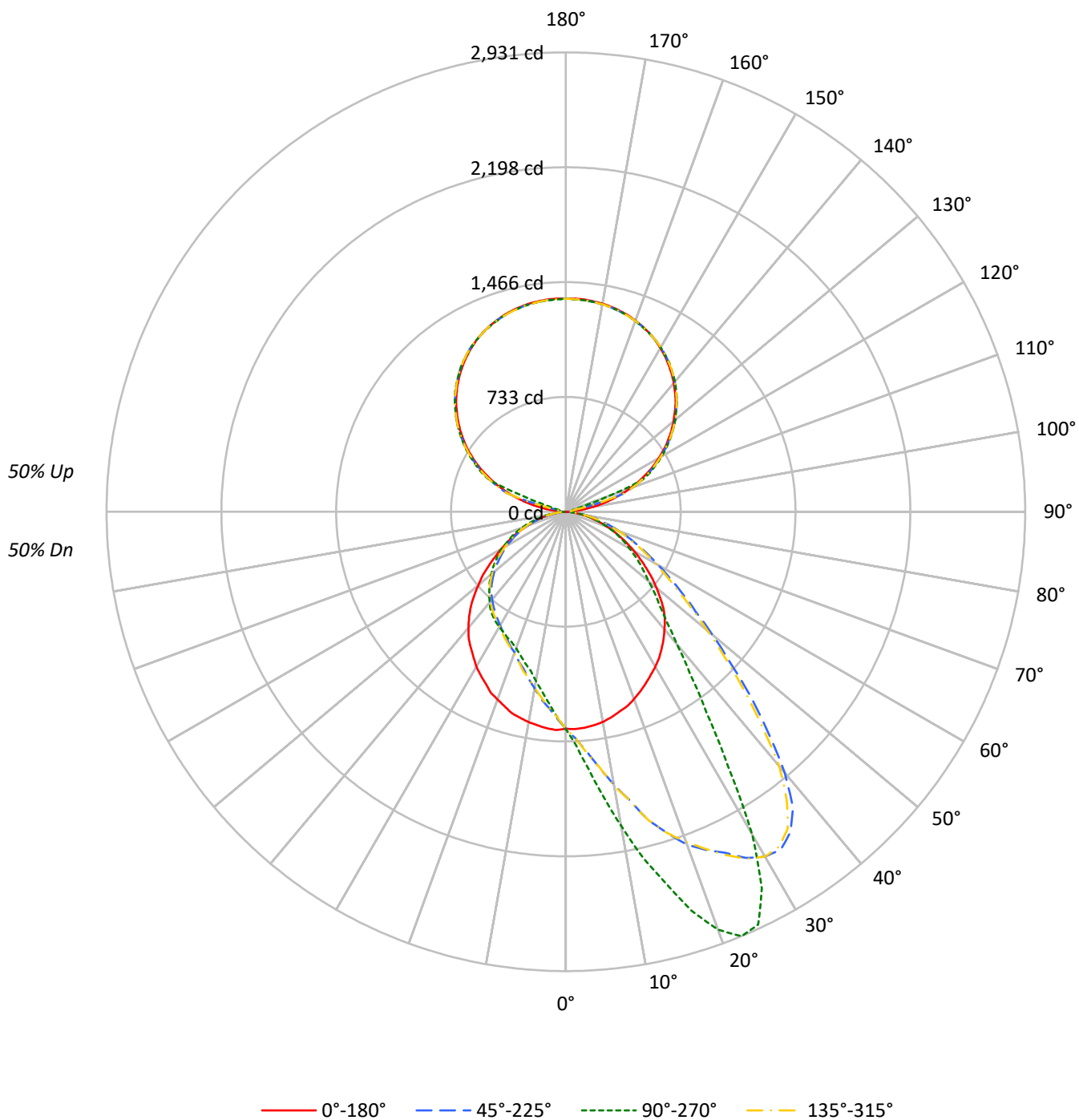
Lumens per Lamp: N/A
Luminaire Lumens: 8325.0 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 78.3
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1030640

CATALOG NUMBER: S123DIW-B1000D1030UB2750-4F0-XX-W2A-A_2700K

Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	56	56	50
1	98	94	90	87	90	87	84	81	74	71	69	61	60	58	50	49	48	48	48	43
2	90	82	76	71	82	76	71	67	65	61	58	54	52	49	45	43	41	41	41	36
3	82	73	65	60	75	67	61	56	57	53	49	48	45	42	40	37	35	35	35	31
4	75	64	57	51	69	60	53	48	51	46	42	43	39	36	36	33	30	30	30	27
5	69	57	49	43	63	53	46	41	46	40	36	39	35	31	32	29	27	27	27	23
6	63	52	44	38	58	48	41	36	41	36	32	35	31	27	29	26	23	23	23	21
7	59	47	39	33	54	43	36	31	37	32	28	32	28	24	27	23	21	21	21	18
8	54	42	35	29	50	39	33	28	34	29	25	29	25	22	24	21	19	19	19	16
9	51	39	31	26	47	36	29	25	31	26	22	27	23	20	23	19	17	17	17	15
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	15	15	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14900	14900	14900	14900
5°	14910	17168	14954	12813
10°	14816	20775	14830	11189
15°	14611	24639	14729	10072
20°	14434	28367	14465	9268
25°	14172	29082	14204	8849
30°	13986	24027	13986	8574
35°	13754	16069	13667	8330
40°	13476	11600	13310	7959
45°	13128	9189	12750	7497
50°	12280	7803	11845	7043
55°	11350	6857	10888	6537
60°	10408	5971	9853	6005
65°	9372	5112	8918	5296
70°	8296	4243	7742	4465
75°	7091	3200	6634	3447
80°	5608	2137	5168	2264
85°	3861	982	3093	891

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 24030 cd/sqm

TEST NUMBER: P1030640

CATALOG NUMBER: S123DIW-B1000D1030UB2750-4F0-XX-W2A-A_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.1	1.6
10°-20°	437.3	5.3
20°-30°	735.8	8.8
30°-40°	831.5	10.0
40°-50°	744.7	8.9
50°-60°	601.2	7.2
60°-70°	418.9	5.0
70°-80°	219.9	2.6
80°-90°	55.4	0.7
90°-100°	47.9	0.6
100°-110°	231.8	2.8
110°-120°	568.0	6.8
120°-130°	721.0	8.7
130°-140°	770.3	9.3
140°-150°	720.3	8.7
150°-160°	581.0	7.0
160°-170°	374.9	4.5
170°-180°	129.2	1.6
0°-30°	1309.2	15.7
0°-40°	2140.6	25.7
0°-60°	3486.5	41.9
0°-90°	4180.7	50.2
90°-120°	847.7	10.2
90°-150°	3059.2	36.7
90°-180°	4144.0	49.8
0°-180°	8325.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1384	1384	1384	1384	1384	
5°	1383	1644	1387	1227	1383	131
15°	1320	2448	1331	1001	1320	373
25°	1207	2905	1210	884	1207	557
35°	1065	1565	1058	812	1065	667
45°	884	845	858	690	884	676
55°	626	574	601	547	626	561
65°	388	373	369	386	388	386
75°	186	192	174	207	186	200
85°	40	44	32	40	40	46
90°	1	30	1	30	1	6
95°	62	38	62	38	62	74
105°	301	44	301	44	301	319
115°	565	594	565	594	565	558
125°	796	812	796	812	796	711
135°	991	1001	991	1001	991	763
145°	1143	1154	1143	1154	1143	716
155°	1259	1257	1259	1257	1259	580
165°	1328	1325	1328	1325	1328	375
175°	1359	1354	1359	1354	1359	129
180°	1359	1359	1359	1359	1359	

TEST NUMBER: P1030640

CATALOG NUMBER: S123DIW-B1000D1030UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3
2.5°	1388.3	1399.0	1404.4	1412.5	1420.5	1432.6	1436.6	1443.3	1440.6	1446.0	1448.7
5°	1382.9	1401.7	1417.8	1437.9	1456.7	1470.1	1483.5	1505.0	1521.1	1523.8	1535.9
7.5°	1373.6	1400.4	1428.6	1456.7	1492.9	1514.4	1538.5	1568.1	1592.2	1631.1	1645.9
10°	1361.5	1399.0	1439.3	1478.2	1527.8	1561.3	1590.9	1640.5	1690.1	1730.4	1767.9
12.5°	1342.7	1389.7	1442.0	1499.6	1564.0	1602.9	1643.2	1708.9	1784.0	1845.7	1886.0
15°	1319.9	1378.9	1446.0	1507.7	1578.8	1651.2	1694.1	1767.9	1875.2	1932.9	2036.2
17.5°	1301.1	1361.5	1428.6	1525.1	1621.7	1694.1	1725.0	1860.5	1934.2	2030.8	2147.5
20°	1271.6	1348.1	1433.9	1530.5	1655.2	1699.5	1762.6	1899.4	1990.6	2116.7	2260.2
22.5°	1240.8	1322.6	1425.9	1526.5	1666.0	1712.9	1798.8	1907.4	2052.3	2177.0	2335.3
25°	1207.2	1295.8	1400.4	1519.8	1656.6	1725.0	1805.5	1939.6	2096.6	2253.5	2399.7
27.5°	1173.7	1270.3	1378.9	1498.3	1631.1	1711.6	1792.1	1931.6	2132.8	2303.1	2489.6
30°	1141.5	1238.1	1346.7	1468.8	1608.3	1686.1	1762.6	1936.9	2160.9	2352.8	2540.5
32.5°	1106.6	1205.9	1319.9	1421.8	1562.7	1645.9	1731.7	1936.9	2178.4	2382.3	2554.0
35°	1065.0	1167.0	1264.9	1366.8	1506.4	1598.9	1695.5	1923.5	2194.5	2391.7	2497.6
37.5°	1024.8	1114.7	1199.2	1298.4	1444.6	1543.9	1655.2	1907.4	2186.4	2351.4	2380.9
40°	979.2	1069.1	1137.5	1230.0	1384.3	1499.6	1612.3	1886.0	2151.5	2256.2	2170.3
42.5°	934.9	1006.0	1065.0	1154.9	1322.6	1435.3	1557.3	1847.1	2083.1	2104.6	1911.4
45°	884.0	934.9	987.2	1089.2	1255.5	1370.9	1506.4	1790.7	1973.1	1911.4	1667.3
47.5°	818.2	863.8	921.5	1015.4	1184.4	1303.8	1432.6	1718.3	1813.5	1684.8	1417.8
50°	755.2	794.1	847.7	939.0	1109.3	1226.0	1362.8	1604.3	1651.2	1448.7	1222.0
52.5°	692.1	721.7	774.0	865.2	1035.5	1148.2	1273.0	1487.6	1460.7	1243.4	1042.2
55°	626.4	651.9	701.5	791.4	949.7	1057.0	1176.4	1344.0	1274.3	1067.7	906.8
57.5°	562.0	588.9	639.8	714.9	863.8	968.5	1063.7	1195.2	1090.5	925.5	783.4
60°	504.4	527.2	566.1	639.8	775.3	859.8	947.0	1036.9	949.7	790.1	681.4
62.5°	444.0	465.5	501.7	568.7	685.4	760.6	830.3	904.1	807.5	690.8	594.2
65°	387.7	405.1	438.6	500.3	595.6	657.3	713.6	764.6	686.8	579.5	507.0
67.5°	336.7	351.4	379.6	434.6	515.1	559.3	605.0	647.9	582.2	496.3	434.6
70°	281.7	293.8	319.2	359.5	423.9	469.5	503.0	535.2	476.2	407.8	366.2
72.5°	233.4	245.5	261.6	303.1	347.4	375.6	411.8	429.2	395.7	339.4	297.8
75°	186.4	195.8	210.6	237.4	279.0	297.8	320.6	334.0	303.1	265.6	240.1
77.5°	146.2	150.2	161.0	179.7	207.9	229.4	246.8	254.9	233.4	209.3	187.8
80°	103.3	108.7	116.7	132.8	154.3	161.0	171.7	181.1	167.7	146.2	132.8
82.5°	68.4	75.1	79.1	85.8	99.3	107.3	110.0	118.0	106.0	97.9	92.6
85°	40.2	42.9	44.3	48.3	55.0	59.0	63.0	64.4	61.7	60.4	55.0
87.5°	20.1	20.1	20.1	22.8	24.1	26.8	28.2	28.2	28.2	26.8	25.5
90°	1.0	3.2	5.5	7.7	10.0	11.1	12.6	15.5	18.4	21.3	24.2
92.5°	23.2	21.9	20.5	19.2	17.9	17.2	18.2	20.2	22.3	24.3	26.3
95°	61.6	52.4	43.2	34.0	24.8	20.2	21.4	23.9	26.4	28.8	31.3
97.5°	112.1	105.8	99.5	93.2	86.9	83.8	78.1	66.6	55.2	43.7	32.3
100°	170.7	175.2	179.7	184.2	188.7	190.9	173.4	138.4	103.3	68.3	33.3
102.5°	237.3	240.2	243.2	246.1	249.0	250.5	231.0	191.9	152.8	113.8	74.7
105°	301.0	303.5	305.9	308.4	310.9	312.1	302.0	281.8	261.6	241.4	221.2
107.5°	368.6	370.6	372.6	374.7	376.7	377.7	379.4	382.8	386.1	389.5	392.9
110°	436.3	438.1	439.9	441.7	443.5	444.4	445.6	448.1	450.6	453.0	455.5

TEST NUMBER: P1030640

CATALOG NUMBER: S123DIW-B1000D1030UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	500.9	502.5	504.1	505.6	507.2	508.0	509.2	511.7	514.2	516.6	519.1
115°	564.6	565.9	567.3	568.6	569.9	570.6	571.6	573.6	575.7	577.7	579.7
117.5°	627.2	628.8	630.4	631.9	633.5	634.3	634.9	636.0	637.1	638.2	639.3
120°	684.8	686.8	688.8	690.8	692.8	693.8	694.1	694.8	695.5	696.2	696.9
122.5°	743.3	744.9	746.5	748.0	749.6	750.4	750.8	751.7	752.6	753.5	754.4
125°	795.9	797.7	799.5	801.2	803.0	803.9	804.4	805.3	806.2	807.1	808.0
127.5°	848.4	850.2	852.0	853.8	855.6	856.5	857.1	858.2	859.3	860.4	861.5
130°	896.8	898.6	900.4	902.2	904.0	904.9	905.4	906.3	907.2	908.1	909.0
132.5°	943.3	945.1	946.9	948.7	950.5	951.4	951.7	952.4	953.1	953.7	954.4
135°	990.8	992.1	993.5	994.8	996.1	996.8	997.3	998.2	999.1	1000.0	1000.9
137.5°	1031.2	1033.0	1034.8	1036.6	1038.4	1039.3	1039.5	1040.0	1040.4	1040.9	1041.3
140°	1071.6	1072.9	1074.3	1075.6	1076.9	1077.6	1077.9	1078.6	1079.3	1080.0	1080.7
142.5°	1108.9	1110.3	1111.6	1113.0	1114.3	1115.0	1115.3	1116.0	1116.7	1117.3	1118.0
145°	1143.3	1144.9	1146.5	1148.0	1149.6	1150.4	1150.6	1151.1	1151.5	1152.0	1152.4
147.5°	1176.6	1177.7	1178.9	1180.0	1181.1	1181.7	1181.9	1182.4	1182.8	1183.3	1183.7
150°	1206.9	1207.6	1208.2	1208.9	1209.6	1209.9	1210.1	1210.6	1211.1	1211.5	1212.0
152.5°	1234.2	1234.4	1234.6	1234.9	1235.1	1235.2	1235.3	1235.5	1235.8	1236.0	1236.2
155°	1259.4	1259.0	1258.5	1258.1	1257.6	1257.4	1257.5	1257.7	1258.0	1258.2	1258.4
157.5°	1279.6	1279.6	1279.6	1279.6	1279.6	1279.6	1279.5	1279.3	1279.0	1278.8	1278.6
160°	1297.8	1297.6	1297.4	1297.1	1296.9	1296.8	1296.7	1296.5	1296.2	1296.0	1295.8
162.5°	1315.0	1314.3	1313.6	1312.9	1312.2	1311.9	1311.8	1311.6	1311.3	1311.1	1310.9
165°	1328.1	1327.4	1326.8	1326.1	1325.4	1325.1	1325.0	1324.8	1324.5	1324.3	1324.1
167.5°	1339.2	1338.3	1337.4	1336.5	1335.6	1335.2	1335.2	1335.2	1335.2	1335.2	1335.2
170°	1348.3	1347.4	1346.5	1345.6	1344.7	1344.3	1344.3	1344.3	1344.3	1344.3	1344.3
172.5°	1354.4	1353.3	1352.1	1351.0	1349.9	1349.3	1349.4	1349.6	1349.9	1350.1	1350.3
175°	1359.4	1358.3	1357.2	1356.1	1355.0	1354.4	1354.5	1354.7	1355.0	1355.2	1355.4
177.5°	1361.4	1360.3	1359.2	1358.1	1357.0	1356.4	1356.5	1356.7	1357.0	1357.2	1357.4
180°	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4

TEST NUMBER: P1030640

CATALOG NUMBER: S123DIW-B1000D1030UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3
2.5°	1458.1	1460.7	1470.1	1476.8	1490.3	1488.9	1488.9	1487.6	1483.5	1490.3	1494.3
5°	1560.0	1582.8	1585.5	1615.0	1616.3	1628.4	1636.5	1629.8	1645.9	1644.5	1632.4
7.5°	1686.1	1716.9	1731.7	1759.9	1792.1	1784.0	1814.9	1820.2	1817.5	1831.0	1840.4
10°	1824.3	1877.9	1915.5	1967.8	1981.2	1989.2	2009.4	2026.8	2061.7	2034.8	2052.3
12.5°	1982.5	2021.4	2071.1	2154.2	2195.8	2222.6	2232.0	2244.1	2268.2	2253.5	2254.8
15°	2115.3	2167.6	2252.1	2355.4	2367.5	2401.0	2393.0	2465.4	2500.3	2448.0	2477.5
17.5°	2253.5	2323.2	2423.8	2513.7	2564.7	2587.5	2609.0	2678.7	2676.0	2668.0	2674.7
20°	2342.0	2456.0	2580.8	2700.2	2714.9	2732.4	2790.0	2819.5	2814.2	2837.0	2851.7
22.5°	2466.8	2587.5	2720.3	2799.4	2833.0	2853.1	2898.7	2917.5	2925.5	2930.9	2921.5
25°	2571.4	2700.2	2798.1	2867.8	2888.0	2898.7	2913.4	2918.8	2914.8	2905.4	2913.4
27.5°	2642.5	2745.8	2812.8	2845.0	2834.3	2816.9	2788.7	2769.9	2728.3	2708.2	2732.4
30°	2672.0	2717.6	2737.7	2684.1	2630.4	2587.5	2533.8	2434.6	2356.8	2379.6	2348.7
32.5°	2625.0	2595.5	2499.0	2360.8	2319.2	2249.5	2097.9	1981.2	1985.2	1923.5	1949.0
35°	2486.9	2352.8	2170.3	1961.1	1906.1	1868.5	1702.2	1676.7	1623.0	1565.4	1581.5
37.5°	2242.8	2046.9	1825.6	1671.3	1589.5	1507.7	1413.8	1357.5	1325.3	1301.1	1319.9
40°	1945.0	1706.2	1523.8	1385.6	1315.9	1263.6	1199.2	1142.8	1106.6	1102.6	1109.3
42.5°	1652.6	1451.4	1283.7	1152.2	1129.4	1067.7	1026.1	981.9	971.1	953.7	963.1
45°	1399.0	1235.4	1097.2	989.9	963.1	947.0	896.0	867.9	855.8	845.1	861.2
47.5°	1215.3	1043.6	943.0	878.6	851.8	824.9	796.8	778.0	768.6	769.9	768.6
50°	1038.2	912.1	823.6	774.0	757.9	739.1	716.3	704.2	700.2	688.1	697.5
52.5°	893.3	802.1	740.4	693.5	681.4	668.0	649.2	642.5	633.1	630.4	630.4
55°	776.6	705.6	655.9	625.1	610.3	599.6	588.9	580.8	574.1	574.1	574.1
57.5°	685.4	623.7	587.5	560.7	555.3	544.6	532.5	532.5	523.1	521.8	525.8
60°	607.6	552.6	524.5	501.7	493.6	490.9	478.9	478.9	476.2	469.5	474.8
62.5°	528.5	488.3	464.1	446.7	438.6	438.6	429.2	422.5	422.5	423.9	421.2
65°	456.1	426.6	405.1	391.7	387.7	382.3	380.9	375.6	371.6	372.9	371.6
67.5°	391.7	368.9	354.1	343.4	336.7	334.0	330.0	330.0	327.3	328.6	321.9
70°	334.0	311.2	299.1	288.4	285.7	285.7	280.3	281.7	279.0	283.0	280.3
72.5°	275.0	257.5	248.2	244.1	241.4	240.1	237.4	234.7	233.4	236.1	234.7
75°	222.7	207.9	201.2	198.5	195.8	195.8	194.5	193.2	191.8	191.8	191.8
77.5°	173.0	163.6	155.6	158.3	154.3	155.6	151.6	151.6	152.9	151.6	151.6
80°	127.4	120.7	120.7	118.0	112.7	115.4	115.4	111.3	110.0	112.7	108.7
82.5°	84.5	83.2	80.5	79.1	76.5	77.8	76.5	75.1	73.8	76.5	73.8
85°	49.6	49.6	48.3	45.6	48.3	46.9	45.6	45.6	44.3	44.3	44.3
87.5°	25.5	22.8	22.8	21.5	22.8	20.1	21.5	20.1	18.8	20.1	18.8
90°	25.1	26.0	26.9	27.8	28.3	28.5	29.0	29.4	29.9	30.3	29.9
92.5°	27.9	29.4	31.0	32.5	33.3	33.4	33.6	33.9	34.1	34.3	34.1
95°	32.9	34.5	36.0	37.6	38.4	38.4	38.4	38.4	38.4	38.4	38.4
97.5°	34.1	35.9	37.7	39.5	40.4	40.5	40.7	41.0	41.2	41.4	41.2
100°	35.1	36.9	38.7	40.5	41.4	41.5	41.7	42.0	42.2	42.4	42.2
102.5°	67.3	59.9	52.5	45.1	41.4	41.6	42.1	42.5	43.0	43.4	43.0
105°	181.5	141.7	102.0	62.3	42.4	42.6	43.1	43.5	44.0	44.4	44.0
107.5°	358.3	323.7	289.2	254.6	237.3	222.6	193.2	163.8	134.4	105.0	134.4
110°	448.1	440.7	433.3	425.9	422.2	406.1	374.0	341.9	309.8	277.7	309.8

TEST NUMBER: P1030640

CATALOG NUMBER: S123DIW-B1000D1030UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	521.1	523.1	525.2	527.2	528.2	528.0	527.5	527.1	526.6	526.2	526.6
115°	581.9	584.2	586.4	588.7	589.8	590.3	591.2	592.1	593.0	593.9	593.0
117.5°	641.1	642.9	644.7	646.5	647.4	647.5	647.7	648.0	648.2	648.4	648.2
120°	698.7	700.5	702.3	704.1	705.0	705.0	705.0	705.0	705.0	705.0	705.0
122.5°	755.5	756.7	757.8	758.9	759.5	759.6	759.8	760.1	760.3	760.5	760.3
125°	808.4	808.9	809.3	809.8	810.0	810.2	810.7	811.1	811.6	812.0	811.6
127.5°	862.2	862.8	863.5	864.2	864.5	864.3	863.8	863.4	862.9	862.5	862.9
130°	909.9	910.8	911.7	912.6	913.0	912.8	912.3	911.9	911.4	911.0	911.4
132.5°	955.3	956.2	957.1	958.0	958.5	958.2	957.5	956.8	956.1	955.4	956.1
135°	1001.6	1002.2	1002.9	1003.6	1003.9	1003.6	1002.9	1002.2	1001.6	1000.9	1001.6
137.5°	1042.4	1043.5	1044.6	1045.7	1046.3	1046.1	1045.6	1045.2	1044.7	1044.3	1044.7
140°	1081.6	1082.5	1083.4	1084.3	1084.7	1084.5	1084.0	1083.6	1083.1	1082.7	1083.1
142.5°	1118.7	1119.4	1120.1	1120.8	1121.1	1120.8	1120.1	1119.4	1118.7	1118.0	1118.7
145°	1152.8	1153.3	1153.7	1154.2	1154.4	1154.4	1154.4	1154.4	1154.4	1154.4	1154.4
147.5°	1184.1	1184.6	1185.0	1185.5	1185.7	1185.1	1184.0	1182.9	1181.7	1180.6	1181.7
150°	1212.4	1212.9	1213.3	1213.8	1214.0	1213.7	1213.0	1212.3	1211.6	1210.9	1211.6
152.5°	1237.1	1238.0	1238.9	1239.8	1240.2	1239.6	1238.5	1237.4	1236.3	1235.2	1236.3
155°	1259.5	1260.7	1261.8	1262.9	1263.5	1262.8	1261.5	1260.1	1258.8	1257.4	1258.8
157.5°	1280.0	1281.3	1282.7	1284.0	1284.7	1283.8	1282.0	1280.2	1278.4	1276.6	1278.4
160°	1297.1	1298.5	1299.8	1301.1	1301.8	1301.0	1299.5	1297.9	1296.4	1294.8	1296.4
162.5°	1312.5	1314.1	1315.6	1317.2	1318.0	1317.3	1316.0	1314.6	1313.3	1311.9	1313.3
165°	1325.9	1327.7	1329.4	1331.2	1332.1	1331.3	1329.8	1328.2	1326.7	1325.1	1326.7
167.5°	1337.0	1338.8	1340.6	1342.4	1343.3	1342.4	1340.6	1338.8	1337.0	1335.2	1337.0
170°	1346.1	1347.9	1349.6	1351.4	1352.3	1351.4	1349.6	1347.9	1346.1	1344.3	1346.1
172.5°	1352.1	1353.9	1355.7	1357.5	1358.4	1357.4	1355.4	1353.3	1351.3	1349.3	1351.3
175°	1357.0	1358.5	1360.1	1361.6	1362.4	1361.5	1359.7	1358.0	1356.2	1354.4	1356.2
177.5°	1359.2	1361.0	1362.8	1364.6	1365.5	1364.4	1362.1	1359.9	1357.6	1355.4	1357.6
180°	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4

TEST NUMBER: P1030640

CATALOG NUMBER: S123DIW-B1000D1030UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3
2.5°	1483.5	1487.6	1476.8	1474.2	1474.2	1479.5	1475.5	1439.3	1446.0	1437.9	1435.3
5°	1647.2	1639.1	1628.4	1623.0	1616.3	1597.6	1596.2	1554.6	1546.6	1519.8	1507.7
7.5°	1826.9	1820.2	1788.0	1784.0	1781.3	1763.9	1719.6	1675.4	1643.2	1612.3	1582.8
10°	2032.2	2012.0	1997.3	1967.8	1953.0	1928.9	1871.2	1829.6	1774.6	1727.7	1666.0
12.5°	2279.0	2256.2	2206.5	2185.1	2166.3	2099.2	2041.6	1994.6	1887.3	1855.1	1778.6
15°	2460.1	2411.8	2406.4	2359.5	2356.8	2283.0	2173.0	2122.0	2038.9	1920.8	1841.7
17.5°	2655.9	2613.0	2579.4	2523.1	2515.1	2445.3	2364.8	2240.1	2148.9	2036.2	1935.6
20°	2799.4	2776.6	2718.9	2696.1	2649.2	2590.2	2507.0	2352.8	2241.4	2128.7	2005.3
22.5°	2913.4	2890.6	2845.0	2814.2	2787.4	2710.9	2611.6	2480.2	2327.3	2179.7	2052.3
25°	2912.1	2905.4	2886.6	2871.9	2851.7	2795.4	2712.2	2586.1	2415.8	2253.5	2076.4
27.5°	2747.1	2765.9	2798.1	2814.2	2810.2	2802.1	2755.2	2649.2	2496.3	2303.1	2104.6
30°	2403.7	2472.1	2532.5	2613.0	2637.1	2696.1	2723.0	2662.6	2540.5	2360.8	2140.8
32.5°	1993.3	2092.5	2224.0	2268.2	2344.7	2458.7	2586.1	2609.0	2532.5	2394.3	2163.6
35°	1635.1	1716.9	1818.9	1888.6	1957.0	2142.2	2303.1	2442.6	2468.1	2376.9	2158.3
37.5°	1353.4	1411.1	1501.0	1560.0	1623.0	1781.3	2006.7	2187.8	2315.2	2317.9	2143.5
40°	1149.5	1175.0	1252.8	1295.8	1356.1	1492.9	1694.1	1930.2	2116.7	2202.5	2104.6
42.5°	973.8	1007.4	1071.7	1103.9	1142.8	1262.2	1395.0	1619.0	1849.7	2033.5	2032.2
45°	869.2	893.3	922.9	949.7	994.0	1065.0	1216.6	1384.3	1605.6	1813.5	1895.3
47.5°	776.6	799.5	829.0	837.0	866.5	933.6	1026.1	1172.4	1378.9	1585.5	1739.7
50°	698.9	717.6	737.7	752.5	765.9	820.9	890.7	1014.1	1179.1	1378.9	1570.7
52.5°	638.5	651.9	669.3	677.4	689.5	729.7	783.4	874.6	1010.0	1192.5	1378.9
55°	582.2	591.5	602.3	615.7	621.1	650.6	692.1	769.9	870.5	1034.2	1211.3
57.5°	529.8	533.9	540.6	548.6	555.3	580.8	617.0	669.3	757.9	884.0	1051.6
60°	470.8	481.5	485.6	493.6	497.6	517.8	545.9	590.2	658.6	767.3	893.3
62.5°	421.2	427.9	434.6	438.6	448.0	454.7	477.5	517.8	574.1	654.6	768.6
65°	376.9	379.6	383.6	387.7	390.3	398.4	419.8	446.7	489.6	560.7	649.2
67.5°	326.0	328.6	334.0	335.3	338.0	348.8	360.8	383.6	419.8	473.5	545.9
70°	276.3	280.3	283.0	285.7	289.7	293.8	307.2	326.0	354.1	391.7	448.0
72.5°	233.4	237.4	237.4	240.1	238.8	244.1	257.5	271.0	289.7	320.6	370.2
75°	190.5	190.5	193.2	194.5	195.8	201.2	206.6	217.3	232.1	256.2	287.1
77.5°	150.2	148.9	151.6	151.6	151.6	155.6	161.0	166.3	175.7	193.2	217.3
80°	110.0	110.0	112.7	114.0	111.3	112.7	115.4	120.7	127.4	139.5	152.9
82.5°	72.4	77.8	76.5	77.8	76.5	79.1	80.5	81.8	84.5	89.9	99.3
85°	44.3	44.3	44.3	45.6	44.3	45.6	45.6	45.6	46.9	49.6	53.7
87.5°	18.8	18.8	18.8	20.1	18.8	18.8	20.1	18.8	20.1	20.1	21.5
90°	29.4	29.0	28.5	28.3	27.8	26.9	26.0	25.1	24.2	21.3	18.4
92.5°	33.9	33.6	33.4	33.3	32.5	31.0	29.4	27.9	26.3	24.3	22.3
95°	38.4	38.4	38.4	38.4	37.6	36.0	34.5	32.9	31.3	28.8	26.4
97.5°	41.0	40.7	40.5	40.4	39.5	37.7	35.9	34.1	32.3	43.7	55.2
100°	42.0	41.7	41.5	41.4	40.5	38.7	36.9	35.1	33.3	68.3	103.3
102.5°	42.5	42.1	41.6	41.4	45.1	52.5	59.9	67.3	74.7	113.8	152.8
105°	43.5	43.1	42.6	42.4	62.3	102.0	141.7	181.5	221.2	241.4	261.6
107.5°	163.8	193.2	222.6	237.3	254.6	289.2	323.7	358.3	392.9	389.5	386.1
110°	341.9	374.0	406.1	422.2	425.9	433.3	440.7	448.1	455.5	453.0	450.6

TEST NUMBER: P1030640

CATALOG NUMBER: S123DIW-B1000D1030UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	527.1	527.5	528.0	528.2	527.2	525.2	523.1	521.1	519.1	516.6	514.2
115°	592.1	591.2	590.3	589.8	588.7	586.4	584.2	581.9	579.7	577.7	575.7
117.5°	648.0	647.7	647.5	647.4	646.5	644.7	642.9	641.1	639.3	638.2	637.1
120°	705.0	705.0	705.0	705.0	704.1	702.3	700.5	698.7	696.9	696.2	695.5
122.5°	760.1	759.8	759.6	759.5	758.9	757.8	756.7	755.5	754.4	753.5	752.6
125°	811.1	810.7	810.2	810.0	809.8	809.3	808.9	808.4	808.0	807.1	806.2
127.5°	863.4	863.8	864.3	864.5	864.2	863.5	862.8	862.2	861.5	860.4	859.3
130°	911.9	912.3	912.8	913.0	912.6	911.7	910.8	909.9	909.0	908.1	907.2
132.5°	956.8	957.5	958.2	958.5	958.0	957.1	956.2	955.3	954.4	953.7	953.1
135°	1002.2	1002.9	1003.6	1003.9	1003.6	1002.9	1002.2	1001.6	1000.9	1000.0	999.1
137.5°	1045.2	1045.6	1046.1	1046.3	1045.7	1044.6	1043.5	1042.4	1041.3	1040.9	1040.4
140°	1083.6	1084.0	1084.5	1084.7	1084.3	1083.4	1082.5	1081.6	1080.7	1080.0	1079.3
142.5°	1119.4	1120.1	1120.8	1121.1	1120.8	1120.1	1119.4	1118.7	1118.0	1117.3	1116.7
145°	1154.4	1154.4	1154.4	1154.4	1154.2	1153.7	1153.3	1152.8	1152.4	1152.0	1151.5
147.5°	1182.9	1184.0	1185.1	1185.7	1185.5	1185.0	1184.6	1184.1	1183.7	1183.3	1182.8
150°	1212.3	1213.0	1213.7	1214.0	1213.8	1213.3	1212.9	1212.4	1212.0	1211.5	1211.1
152.5°	1237.4	1238.5	1239.6	1240.2	1239.8	1238.9	1238.0	1237.1	1236.2	1236.0	1235.8
155°	1260.1	1261.5	1262.8	1263.5	1262.9	1261.8	1260.7	1259.5	1258.4	1258.2	1258.0
157.5°	1280.2	1282.0	1283.8	1284.7	1284.0	1282.7	1281.3	1280.0	1278.6	1278.8	1279.0
160°	1297.9	1299.5	1301.0	1301.8	1301.1	1299.8	1298.5	1297.1	1295.8	1296.0	1296.2
162.5°	1314.6	1316.0	1317.3	1318.0	1317.2	1315.6	1314.1	1312.5	1310.9	1311.1	1311.3
165°	1328.2	1329.8	1331.3	1332.1	1331.2	1329.4	1327.7	1325.9	1324.1	1324.3	1324.5
167.5°	1338.8	1340.6	1342.4	1343.3	1342.4	1340.6	1338.8	1337.0	1335.2	1335.2	1335.2
170°	1347.9	1349.6	1351.4	1352.3	1351.4	1349.6	1347.9	1346.1	1344.3	1344.3	1344.3
172.5°	1353.3	1355.4	1357.4	1358.4	1357.5	1355.7	1353.9	1352.1	1350.3	1350.1	1349.9
175°	1358.0	1359.7	1361.5	1362.4	1361.6	1360.1	1358.5	1357.0	1355.4	1355.2	1355.0
177.5°	1359.9	1362.1	1364.4	1365.5	1364.6	1362.8	1361.0	1359.2	1357.4	1357.2	1357.0
180°	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4

TEST NUMBER: P1030640

CATALOG NUMBER: S123DIW-B1000D1030UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3
2.5°	1421.8	1417.8	1417.8	1415.1	1407.1	1392.3	1391.0	1393.7	1385.6	1377.6	1365.5
5°	1491.6	1466.1	1458.1	1450.0	1433.9	1407.1	1396.4	1387.0	1372.2	1354.8	1336.0
7.5°	1550.6	1514.4	1503.7	1488.9	1456.7	1419.2	1395.0	1374.9	1354.8	1330.6	1307.8
10°	1624.4	1572.1	1546.6	1525.1	1480.9	1428.6	1392.3	1362.8	1330.6	1301.1	1271.6
12.5°	1707.6	1623.0	1615.0	1562.7	1511.7	1433.9	1389.7	1346.7	1303.8	1267.6	1236.7
15°	1777.3	1684.8	1651.2	1616.3	1518.4	1421.8	1378.9	1330.6	1281.0	1242.1	1196.5
17.5°	1821.6	1745.1	1674.0	1627.1	1525.1	1439.3	1356.1	1301.1	1248.8	1195.2	1157.6
20°	1875.2	1763.9	1702.2	1639.1	1538.5	1425.9	1342.7	1274.3	1209.9	1161.6	1116.0
22.5°	1928.9	1778.6	1727.7	1659.3	1541.2	1412.5	1318.6	1250.2	1176.4	1128.1	1078.5
25°	1923.5	1800.1	1715.6	1657.9	1514.4	1400.4	1290.4	1209.9	1141.5	1079.8	1030.2
27.5°	1927.5	1776.0	1690.1	1623.0	1495.6	1382.9	1260.9	1176.4	1105.3	1040.9	988.6
30°	1928.9	1739.7	1664.6	1584.1	1460.7	1341.4	1227.3	1141.5	1066.4	996.6	949.7
32.5°	1924.9	1710.2	1616.3	1543.9	1405.7	1301.1	1188.4	1097.2	1020.8	956.4	912.1
35°	1915.5	1675.4	1566.7	1475.5	1349.4	1243.4	1152.2	1058.3	976.5	917.5	866.5
37.5°	1890.0	1637.8	1514.4	1424.5	1283.7	1176.4	1095.9	1018.1	939.0	869.2	826.3
40°	1871.2	1586.8	1462.1	1364.2	1212.6	1108.0	1040.9	967.1	889.3	826.3	784.7
42.5°	1828.3	1538.5	1408.4	1291.7	1142.8	1035.5	972.5	913.5	846.4	784.7	747.1
45°	1758.5	1486.2	1342.7	1224.7	1066.4	964.4	906.8	858.5	799.5	740.4	702.9
47.5°	1660.6	1411.1	1273.0	1154.9	991.3	888.0	830.3	794.1	747.1	697.5	665.3
50°	1554.6	1329.3	1201.9	1085.2	918.8	818.2	761.9	728.4	697.5	651.9	621.1
52.5°	1416.5	1242.1	1120.0	1008.7	841.0	744.5	694.8	670.7	638.5	606.3	579.5
55°	1282.3	1129.4	1028.8	922.9	764.6	674.7	626.4	600.9	582.2	555.3	533.9
57.5°	1126.7	1024.8	932.2	835.7	693.5	611.7	566.1	535.2	523.1	511.1	490.9
60°	983.2	905.4	830.3	749.8	619.7	545.9	501.7	477.5	465.5	457.4	444.0
62.5°	851.8	791.4	727.0	662.6	544.6	477.5	444.0	419.8	409.1	407.8	395.7
65°	725.7	682.8	630.4	567.4	474.8	415.8	383.6	368.9	356.8	356.8	347.4
67.5°	599.6	570.1	528.5	484.2	411.8	356.8	327.3	313.9	307.2	307.2	300.5
70°	499.0	478.9	441.3	402.4	339.4	297.8	275.0	262.9	258.9	260.2	254.9
72.5°	405.1	383.6	352.8	324.6	277.7	246.8	230.7	217.3	210.6	211.9	210.6
75°	313.9	303.1	276.3	254.9	217.3	195.8	181.1	174.4	169.0	170.4	167.7
77.5°	236.1	220.0	205.2	190.5	167.7	150.2	138.2	131.5	127.4	127.4	127.4
80°	161.0	158.3	146.2	138.2	119.4	106.0	96.6	95.2	91.2	91.2	91.2
82.5°	104.6	97.9	91.2	85.8	75.1	67.1	63.0	60.4	59.0	57.7	60.4
85°	57.7	53.7	51.0	45.6	41.6	37.6	33.5	32.2	30.9	32.2	30.9
87.5°	22.8	18.8	18.8	17.4	16.1	14.8	14.8	12.1	12.1	10.7	10.7
90°	15.5	12.6	11.1	10.0	7.7	5.5	3.2	1.0	3.2	5.5	7.7
92.5°	20.2	18.2	17.2	17.9	19.2	20.5	21.9	23.2	21.9	20.5	19.2
95°	23.9	21.4	20.2	24.8	34.0	43.2	52.4	61.6	52.4	43.2	34.0
97.5°	66.6	78.1	83.8	86.9	93.2	99.5	105.8	112.1	105.8	99.5	93.2
100°	138.4	173.4	190.9	188.7	184.2	179.7	175.2	170.7	175.2	179.7	184.2
102.5°	191.9	231.0	250.5	249.0	246.1	243.2	240.2	237.3	240.2	243.2	246.1
105°	281.8	302.0	312.1	310.9	308.4	305.9	303.5	301.0	303.5	305.9	308.4
107.5°	382.8	379.4	377.7	376.7	374.7	372.6	370.6	368.6	370.6	372.6	374.7
110°	448.1	445.6	444.4	443.5	441.7	439.9	438.1	436.3	438.1	439.9	441.7

TEST NUMBER: P1030640

CATALOG NUMBER: S123DIW-B1000D1030UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	511.7	509.2	508.0	507.2	505.6	504.1	502.5	500.9	502.5	504.1	505.6
115°	573.6	571.6	570.6	569.9	568.6	567.3	565.9	564.6	565.9	567.3	568.6
117.5°	636.0	634.9	634.3	633.5	631.9	630.4	628.8	627.2	628.8	630.4	631.9
120°	694.8	694.1	693.8	692.8	690.8	688.8	686.8	684.8	686.8	688.8	690.8
122.5°	751.7	750.8	750.4	749.6	748.0	746.5	744.9	743.3	744.9	746.5	748.0
125°	805.3	804.4	803.9	803.0	801.2	799.5	797.7	795.9	797.7	799.5	801.2
127.5°	858.2	857.1	856.5	855.6	853.8	852.0	850.2	848.4	850.2	852.0	853.8
130°	906.3	905.4	904.9	904.0	902.2	900.4	898.6	896.8	898.6	900.4	902.2
132.5°	952.4	951.7	951.4	950.5	948.7	946.9	945.1	943.3	945.1	946.9	948.7
135°	998.2	997.3	996.8	996.1	994.8	993.5	992.1	990.8	992.1	993.5	994.8
137.5°	1040.0	1039.5	1039.3	1038.4	1036.6	1034.8	1033.0	1031.2	1033.0	1034.8	1036.6
140°	1078.6	1077.9	1077.6	1076.9	1075.6	1074.3	1072.9	1071.6	1072.9	1074.3	1075.6
142.5°	1116.0	1115.3	1115.0	1114.3	1113.0	1111.6	1110.3	1108.9	1110.3	1111.6	1113.0
145°	1151.1	1150.6	1150.4	1149.6	1148.0	1146.5	1144.9	1143.3	1144.9	1146.5	1148.0
147.5°	1182.4	1181.9	1181.7	1181.1	1180.0	1178.9	1177.7	1176.6	1177.7	1178.9	1180.0
150°	1210.6	1210.1	1209.9	1209.6	1208.9	1208.2	1207.6	1206.9	1207.6	1208.2	1208.9
152.5°	1235.5	1235.3	1235.2	1235.1	1234.9	1234.6	1234.4	1234.2	1234.4	1234.6	1234.9
155°	1257.7	1257.5	1257.4	1257.6	1258.1	1258.5	1259.0	1259.4	1259.0	1258.5	1258.1
157.5°	1279.3	1279.5	1279.6	1279.6	1279.6	1279.6	1279.6	1279.6	1279.6	1279.6	1279.6
160°	1296.5	1296.7	1296.8	1296.9	1297.1	1297.4	1297.6	1297.8	1297.6	1297.4	1297.1
162.5°	1311.6	1311.8	1311.9	1312.2	1312.9	1313.6	1314.3	1315.0	1314.3	1313.6	1312.9
165°	1324.8	1325.0	1325.1	1325.4	1326.1	1326.8	1327.4	1328.1	1327.4	1326.8	1326.1
167.5°	1335.2	1335.2	1335.2	1335.6	1336.5	1337.4	1338.3	1339.2	1338.3	1337.4	1336.5
170°	1344.3	1344.3	1344.3	1344.7	1345.6	1346.5	1347.4	1348.3	1347.4	1346.5	1345.6
172.5°	1349.6	1349.4	1349.3	1349.9	1351.0	1352.1	1353.3	1354.4	1353.3	1352.1	1351.0
175°	1354.7	1354.5	1354.4	1355.0	1356.1	1357.2	1358.3	1359.4	1358.3	1357.2	1356.1
177.5°	1356.7	1356.5	1356.4	1357.0	1358.1	1359.2	1360.3	1361.4	1360.3	1359.2	1358.1
180°	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4

TEST NUMBER: P1030640

CATALOG NUMBER: S123DIW-B1000D1030UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3
2.5°	1362.8	1361.5	1364.2	1356.1	1342.7	1336.0	1317.2	1313.2	1311.9	1313.2	1314.5
5°	1325.3	1323.9	1319.9	1306.5	1290.4	1278.3	1255.5	1254.2	1246.1	1238.1	1242.1
7.5°	1289.1	1283.7	1275.6	1258.2	1236.7	1223.3	1204.5	1191.1	1180.4	1173.7	1168.3
10°	1252.8	1244.8	1236.7	1213.9	1187.1	1167.0	1144.2	1133.5	1121.4	1116.0	1110.6
12.5°	1205.9	1197.8	1183.1	1156.3	1140.2	1114.7	1091.9	1081.1	1074.4	1063.7	1057.0
15°	1168.3	1152.2	1144.2	1116.0	1082.5	1079.8	1038.2	1035.5	1022.1	1022.1	1011.4
17.5°	1125.4	1113.3	1098.6	1070.4	1046.3	1022.1	1000.7	992.6	980.5	977.9	972.5
20°	1083.8	1067.7	1062.4	1034.2	1008.7	979.2	956.4	948.3	943.0	937.6	941.6
22.5°	1040.9	1027.5	1014.1	988.6	969.8	940.3	926.9	918.8	910.8	908.1	909.4
25°	999.3	987.2	973.8	948.3	928.2	904.1	892.0	888.0	884.0	884.0	882.6
27.5°	959.1	947.0	934.9	912.1	892.0	874.6	865.2	861.2	857.1	859.8	862.5
30°	917.5	906.8	896.0	875.9	859.8	843.7	838.4	835.7	834.3	841.0	841.0
32.5°	879.9	870.5	862.5	843.7	827.6	814.2	810.2	811.5	812.9	816.9	819.6
35°	841.0	834.3	826.3	810.2	796.8	784.7	786.0	786.0	788.7	795.4	800.8
37.5°	806.2	796.8	790.1	776.6	765.9	755.2	759.2	763.2	765.9	774.0	776.6
40°	764.6	760.6	755.2	741.8	732.4	731.0	732.4	735.1	740.4	744.5	748.5
42.5°	731.0	725.7	719.0	708.2	700.2	701.5	702.9	705.6	708.2	714.9	719.0
45°	693.5	689.5	684.1	674.7	668.0	669.3	670.7	670.7	673.4	681.4	684.1
47.5°	651.9	653.2	646.5	637.1	633.1	633.1	633.1	635.8	642.5	645.2	646.5
50°	611.7	609.0	607.6	598.2	595.6	594.2	595.6	596.9	606.3	605.0	609.0
52.5°	568.7	568.7	567.4	562.0	558.0	558.0	555.3	562.0	564.7	567.4	571.4
55°	527.2	523.1	521.8	519.1	513.7	512.4	515.1	523.1	525.8	528.5	532.5
57.5°	481.5	481.5	478.9	474.8	474.8	474.8	474.8	480.2	484.2	486.9	495.0
60°	440.0	434.6	430.6	430.6	430.6	429.2	437.3	437.3	445.3	446.7	449.4
62.5°	390.3	387.7	385.0	386.3	385.0	387.7	390.3	395.7	397.0	401.1	405.1
65°	343.4	343.4	340.7	348.8	343.4	343.4	350.1	350.1	352.8	356.8	362.2
67.5°	297.8	299.1	296.4	296.4	299.1	300.5	301.8	307.2	308.5	313.9	320.6
70°	250.8	253.5	254.9	252.2	254.9	257.5	260.2	261.6	266.9	269.6	273.6
72.5°	209.3	211.9	207.9	209.3	210.6	213.3	214.6	217.3	220.0	228.0	230.7
75°	167.7	166.3	165.0	170.4	167.7	173.0	174.4	174.4	177.1	183.8	186.4
77.5°	128.8	128.8	130.1	127.4	131.5	130.1	131.5	135.5	139.5	139.5	150.2
80°	89.9	92.6	92.6	92.6	93.9	95.2	92.6	99.3	100.6	100.6	104.6
82.5°	57.7	59.0	57.7	60.4	60.4	63.0	61.7	63.0	65.7	68.4	69.8
85°	30.9	30.9	33.5	33.5	32.2	33.5	32.2	33.5	36.2	36.2	37.6
87.5°	10.7	10.7	10.7	10.7	12.1	10.7	12.1	12.1	10.7	10.7	14.8
90°	10.0	11.1	12.6	15.5	18.4	21.3	24.2	25.1	26.0	26.9	27.8
92.5°	17.9	17.2	18.2	20.2	22.3	24.3	26.3	27.9	29.4	31.0	32.5
95°	24.8	20.2	21.4	23.9	26.4	28.8	31.3	32.9	34.5	36.0	37.6
97.5°	86.9	83.8	78.1	66.6	55.2	43.7	32.3	34.1	35.9	37.7	39.5
100°	188.7	190.9	173.4	138.4	103.3	68.3	33.3	35.1	36.9	38.7	40.5
102.5°	249.0	250.5	231.0	191.9	152.8	113.8	74.7	67.3	59.9	52.5	45.1
105°	310.9	312.1	302.0	281.8	261.6	241.4	221.2	181.5	141.7	102.0	62.3
107.5°	376.7	377.7	379.4	382.8	386.1	389.5	392.9	358.3	323.7	289.2	254.6
110°	443.5	444.4	445.6	448.1	450.6	453.0	455.5	448.1	440.7	433.3	425.9

TEST NUMBER: P1030640

CATALOG NUMBER: S123DIW-B1000D1030UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	507.2	508.0	509.2	511.7	514.2	516.6	519.1	521.1	523.1	525.2	527.2
115°	569.9	570.6	571.6	573.6	575.7	577.7	579.7	581.9	584.2	586.4	588.7
117.5°	633.5	634.3	634.9	636.0	637.1	638.2	639.3	641.1	642.9	644.7	646.5
120°	692.8	693.8	694.1	694.8	695.5	696.2	696.9	698.7	700.5	702.3	704.1
122.5°	749.6	750.4	750.8	751.7	752.6	753.5	754.4	755.5	756.7	757.8	758.9
125°	803.0	803.9	804.4	805.3	806.2	807.1	808.0	808.4	808.9	809.3	809.8
127.5°	855.6	856.5	857.1	858.2	859.3	860.4	861.5	862.2	862.8	863.5	864.2
130°	904.0	904.9	905.4	906.3	907.2	908.1	909.0	909.9	910.8	911.7	912.6
132.5°	950.5	951.4	951.7	952.4	953.1	953.7	954.4	955.3	956.2	957.1	958.0
135°	996.1	996.8	997.3	998.2	999.1	1000.0	1000.9	1001.6	1002.2	1002.9	1003.6
137.5°	1038.4	1039.3	1039.5	1040.0	1040.4	1040.9	1041.3	1042.4	1043.5	1044.6	1045.7
140°	1076.9	1077.6	1077.9	1078.6	1079.3	1080.0	1080.7	1081.6	1082.5	1083.4	1084.3
142.5°	1114.3	1115.0	1115.3	1116.0	1116.7	1117.3	1118.0	1118.7	1119.4	1120.1	1120.8
145°	1149.6	1150.4	1150.6	1151.1	1151.5	1152.0	1152.4	1152.8	1153.3	1153.7	1154.2
147.5°	1181.1	1181.7	1181.9	1182.4	1182.8	1183.3	1183.7	1184.1	1184.6	1185.0	1185.5
150°	1209.6	1209.9	1210.1	1210.6	1211.1	1211.5	1212.0	1212.4	1212.9	1213.3	1213.8
152.5°	1235.1	1235.2	1235.3	1235.5	1235.8	1236.0	1236.2	1237.1	1238.0	1238.9	1239.8
155°	1257.6	1257.4	1257.5	1257.7	1258.0	1258.2	1258.4	1259.5	1260.7	1261.8	1262.9
157.5°	1279.6	1279.6	1279.5	1279.3	1279.0	1278.8	1278.6	1280.0	1281.3	1282.7	1284.0
160°	1296.9	1296.8	1296.7	1296.5	1296.2	1296.0	1295.8	1297.1	1298.5	1299.8	1301.1
162.5°	1312.2	1311.9	1311.8	1311.6	1311.3	1311.1	1310.9	1312.5	1314.1	1315.6	1317.2
165°	1325.4	1325.1	1325.0	1324.8	1324.5	1324.3	1324.1	1325.9	1327.7	1329.4	1331.2
167.5°	1335.6	1335.2	1335.2	1335.2	1335.2	1335.2	1335.2	1337.0	1338.8	1340.6	1342.4
170°	1344.7	1344.3	1344.3	1344.3	1344.3	1344.3	1344.3	1346.1	1347.9	1349.6	1351.4
172.5°	1349.9	1349.3	1349.4	1349.6	1349.9	1350.1	1350.3	1352.1	1353.9	1355.7	1357.5
175°	1355.0	1354.4	1354.5	1354.7	1355.0	1355.2	1355.4	1357.0	1358.5	1360.1	1361.6
177.5°	1357.0	1356.4	1356.5	1356.7	1357.0	1357.2	1357.4	1359.2	1361.0	1362.8	1364.6
180°	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4

TEST NUMBER: P1030640

CATALOG NUMBER: S123DIW-B1000D1030UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3
2.5°	1313.2	1314.5	1309.2	1305.1	1315.9	1309.2	1309.2	1310.5	1307.8	1311.9	1310.5
5°	1239.4	1240.8	1231.4	1234.1	1228.7	1227.3	1226.0	1234.1	1232.7	1231.4	1234.1
7.5°	1167.0	1167.0	1163.0	1160.3	1160.3	1156.3	1161.6	1160.3	1163.0	1163.0	1167.0
10°	1106.6	1109.3	1102.6	1095.9	1094.6	1095.9	1095.9	1097.2	1098.6	1108.0	1106.6
12.5°	1057.0	1053.0	1051.6	1047.6	1040.9	1038.2	1035.5	1050.3	1046.3	1046.3	1046.3
15°	1002.0	1011.4	1010.0	998.0	995.3	1000.7	998.0	998.0	1011.4	1010.0	1008.7
17.5°	972.5	969.8	967.1	960.4	961.8	960.4	961.8	961.8	969.8	969.8	969.8
20°	939.0	933.6	933.6	930.9	930.9	926.9	932.2	933.6	939.0	939.0	940.3
22.5°	909.4	905.4	905.4	904.1	906.8	901.4	906.8	908.1	908.1	912.1	912.1
25°	884.0	881.3	881.3	884.0	884.0	884.0	884.0	889.3	885.3	886.6	885.3
27.5°	861.2	862.5	863.8	865.2	863.8	865.2	866.5	869.2	870.5	869.2	866.5
30°	839.7	843.7	845.1	845.1	847.7	849.1	850.4	850.4	851.8	847.7	850.4
32.5°	823.6	823.6	826.3	827.6	830.3	831.6	831.6	834.3	833.0	829.0	830.3
35°	800.8	800.8	806.2	808.8	812.9	811.5	812.9	812.9	814.2	811.5	807.5
37.5°	778.0	780.7	780.7	786.0	787.4	788.7	787.4	790.1	788.7	786.0	784.7
40°	751.2	749.8	751.2	755.2	756.5	756.5	756.5	759.2	759.2	759.2	757.9
42.5°	717.6	721.7	720.3	724.3	723.0	723.0	725.7	728.4	729.7	725.7	727.0
45°	685.4	685.4	688.1	688.1	689.5	689.5	694.8	692.1	694.8	692.1	693.5
47.5°	650.6	651.9	651.9	653.2	655.9	658.6	655.9	657.3	657.3	658.6	655.9
50°	611.7	611.7	614.3	618.4	623.7	621.1	619.7	625.1	621.1	621.1	618.4
52.5°	571.4	575.4	576.8	580.8	584.8	586.2	587.5	584.8	586.2	582.2	583.5
55°	532.5	533.9	539.2	543.3	547.3	547.3	545.9	547.3	548.6	543.3	543.3
57.5°	493.6	497.6	503.0	503.0	508.4	508.4	507.0	507.0	508.4	504.4	503.0
60°	452.0	456.1	462.8	462.8	470.8	472.2	469.5	466.8	466.8	462.8	464.1
62.5°	407.8	411.8	415.8	422.5	427.9	425.2	430.6	425.2	426.6	418.5	418.5
65°	368.9	370.2	376.9	383.6	383.6	386.3	383.6	385.0	380.9	380.9	375.6
67.5°	323.3	323.3	330.0	336.7	343.4	343.4	343.4	339.4	339.4	335.3	335.3
70°	283.0	281.7	288.4	292.4	296.4	297.8	295.1	293.8	291.1	287.1	285.7
72.5°	233.4	236.1	242.8	245.5	252.2	250.8	257.5	249.5	249.5	242.8	241.4
75°	189.1	191.8	198.5	202.5	206.6	206.6	210.6	206.6	201.2	198.5	197.2
77.5°	150.2	148.9	154.3	161.0	162.3	161.0	163.6	162.3	156.9	156.9	154.3
80°	107.3	111.3	116.7	115.4	120.7	119.4	119.4	116.7	116.7	112.7	115.4
82.5°	71.1	75.1	76.5	75.1	76.5	79.1	80.5	79.1	79.1	76.5	77.8
85°	37.6	37.6	40.2	41.6	40.2	40.2	41.6	45.6	42.9	40.2	42.9
87.5°	12.1	10.7	10.7	12.1	10.7	10.7	12.1	12.1	13.4	13.4	13.4
90°	28.3	28.5	29.0	29.4	29.9	30.3	29.9	29.4	29.0	28.5	28.3
92.5°	33.3	33.4	33.6	33.9	34.1	34.3	34.1	33.9	33.6	33.4	33.3
95°	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
97.5°	40.4	40.5	40.7	41.0	41.2	41.4	41.2	41.0	40.7	40.5	40.4
100°	41.4	41.5	41.7	42.0	42.2	42.4	42.2	42.0	41.7	41.5	41.4
102.5°	41.4	41.6	42.1	42.5	43.0	43.4	43.0	42.5	42.1	41.6	41.4
105°	42.4	42.6	43.1	43.5	44.0	44.4	44.0	43.5	43.1	42.6	42.4
107.5°	237.3	222.6	193.2	163.8	134.4	105.0	134.4	163.8	193.2	222.6	237.3
110°	422.2	406.1	374.0	341.9	309.8	277.7	309.8	341.9	374.0	406.1	422.2

TEST NUMBER: P1030640

CATALOG NUMBER: S123DIW-B1000D1030UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	528.2	528.0	527.5	527.1	526.6	526.2	526.6	527.1	527.5	528.0	528.2
115°	589.8	590.3	591.2	592.1	593.0	593.9	593.0	592.1	591.2	590.3	589.8
117.5°	647.4	647.5	647.7	648.0	648.2	648.4	648.2	648.0	647.7	647.5	647.4
120°	705.0	705.0	705.0	705.0	705.0	705.0	705.0	705.0	705.0	705.0	705.0
122.5°	759.5	759.6	759.8	760.1	760.3	760.5	760.3	760.1	759.8	759.6	759.5
125°	810.0	810.2	810.7	811.1	811.6	812.0	811.6	811.1	810.7	810.2	810.0
127.5°	864.5	864.3	863.8	863.4	862.9	862.5	862.9	863.4	863.8	864.3	864.5
130°	913.0	912.8	912.3	911.9	911.4	911.0	911.4	911.9	912.3	912.8	913.0
132.5°	958.5	958.2	957.5	956.8	956.1	955.4	956.1	956.8	957.5	958.2	958.5
135°	1003.9	1003.6	1002.9	1002.2	1001.6	1000.9	1001.6	1002.2	1002.9	1003.6	1003.9
137.5°	1046.3	1046.1	1045.6	1045.2	1044.7	1044.3	1044.7	1045.2	1045.6	1046.1	1046.3
140°	1084.7	1084.5	1084.0	1083.6	1083.1	1082.7	1083.1	1083.6	1084.0	1084.5	1084.7
142.5°	1121.1	1120.8	1120.1	1119.4	1118.7	1118.0	1118.7	1119.4	1120.1	1120.8	1121.1
145°	1154.4	1154.4	1154.4	1154.4	1154.4	1154.4	1154.4	1154.4	1154.4	1154.4	1154.4
147.5°	1185.7	1185.1	1184.0	1182.9	1181.7	1180.6	1181.7	1182.9	1184.0	1185.1	1185.7
150°	1214.0	1213.7	1213.0	1212.3	1211.6	1210.9	1211.6	1212.3	1213.0	1213.7	1214.0
152.5°	1240.2	1239.6	1238.5	1237.4	1236.3	1235.2	1236.3	1237.4	1238.5	1239.6	1240.2
155°	1263.5	1262.8	1261.5	1260.1	1258.8	1257.4	1258.8	1260.1	1261.5	1262.8	1263.5
157.5°	1284.7	1283.8	1282.0	1280.2	1278.4	1276.6	1278.4	1280.2	1282.0	1283.8	1284.7
160°	1301.8	1301.0	1299.5	1297.9	1296.4	1294.8	1296.4	1297.9	1299.5	1301.0	1301.8
162.5°	1318.0	1317.3	1316.0	1314.6	1313.3	1311.9	1313.3	1314.6	1316.0	1317.3	1318.0
165°	1332.1	1331.3	1329.8	1328.2	1326.7	1325.1	1326.7	1328.2	1329.8	1331.3	1332.1
167.5°	1343.3	1342.4	1340.6	1338.8	1337.0	1335.2	1337.0	1338.8	1340.6	1342.4	1343.3
170°	1352.3	1351.4	1349.6	1347.9	1346.1	1344.3	1346.1	1347.9	1349.6	1351.4	1352.3
172.5°	1358.4	1357.4	1355.4	1353.3	1351.3	1349.3	1351.3	1353.3	1355.4	1357.4	1358.4
175°	1362.4	1361.5	1359.7	1358.0	1356.2	1354.4	1356.2	1358.0	1359.7	1361.5	1362.4
177.5°	1365.5	1364.4	1362.1	1359.9	1357.6	1355.4	1357.6	1359.9	1362.1	1364.4	1365.5
180°	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4

TEST NUMBER: P1030640

CATALOG NUMBER: S123DIW-B1000D1030UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3
2.5°	1314.5	1317.2	1318.6	1313.2	1309.2	1315.9	1325.3	1332.0	1337.3	1344.0	1348.1
5°	1236.7	1246.1	1246.1	1248.8	1252.8	1259.5	1277.0	1289.1	1299.8	1307.8	1314.5
7.5°	1171.0	1177.7	1181.7	1188.4	1195.2	1204.5	1224.7	1242.1	1258.2	1267.6	1278.3
10°	1112.0	1117.4	1124.1	1128.1	1140.2	1153.6	1179.1	1193.8	1212.6	1227.3	1240.8
12.5°	1055.7	1074.4	1078.5	1077.1	1087.8	1102.6	1128.1	1150.9	1171.0	1185.8	1200.5
15°	1015.4	1022.1	1030.2	1028.8	1051.6	1055.7	1077.1	1103.9	1130.8	1140.2	1153.6
17.5°	971.1	981.9	989.9	994.0	1000.7	1015.4	1035.5	1055.7	1090.5	1091.9	1126.7
20°	936.3	947.0	952.4	957.7	961.8	979.2	996.6	1019.4	1047.6	1062.4	1081.1
22.5°	913.5	918.8	922.9	926.9	932.2	941.6	963.1	988.6	1007.4	1023.5	1035.5
25°	886.6	892.0	897.4	900.1	904.1	909.4	925.5	945.7	972.5	983.2	995.3
27.5°	867.9	867.9	870.5	870.5	875.9	881.3	893.3	912.1	933.6	947.0	963.1
30°	847.7	846.4	847.7	846.4	845.1	853.1	863.8	879.9	894.7	910.8	921.5
32.5°	827.6	826.3	826.3	827.6	822.3	826.3	831.6	846.4	862.5	870.5	882.6
35°	806.2	803.5	803.5	803.5	800.8	798.1	803.5	816.9	827.6	838.4	847.7
37.5°	784.7	780.7	780.7	778.0	775.3	771.3	771.3	782.0	796.8	800.8	812.9
40°	755.2	755.2	752.5	751.2	748.5	745.8	741.8	751.2	764.6	768.6	778.0
42.5°	725.7	721.7	720.3	720.3	720.3	716.3	713.6	720.3	728.4	735.1	740.4
45°	692.1	689.5	690.8	689.5	686.8	685.4	684.1	686.8	696.2	698.9	705.6
47.5°	655.9	654.6	654.6	653.2	651.9	653.2	647.9	654.6	657.3	660.0	665.3
50°	618.4	617.0	615.7	614.3	614.3	615.7	614.3	614.3	619.7	622.4	627.8
52.5°	580.8	576.8	576.8	575.4	575.4	572.8	575.4	576.8	579.5	582.2	584.8
55°	540.6	540.6	536.5	536.5	533.9	533.9	535.2	533.9	539.2	541.9	541.9
57.5°	501.7	496.3	497.6	495.0	492.3	490.9	490.9	493.6	496.3	496.3	499.0
60°	460.1	454.7	453.4	448.0	450.7	446.7	448.0	448.0	453.4	450.7	453.4
62.5°	418.5	411.8	407.8	405.1	405.1	406.4	403.8	402.4	405.1	407.8	413.1
65°	374.2	370.2	366.2	362.2	362.2	360.8	363.5	359.5	358.1	359.5	362.2
67.5°	328.6	324.6	320.6	316.6	317.9	313.9	311.2	315.2	312.5	313.9	316.6
70°	284.4	281.7	273.6	271.0	269.6	271.0	269.6	266.9	271.0	269.6	271.0
72.5°	240.1	237.4	233.4	226.7	226.7	225.3	224.0	224.0	222.7	222.7	222.7
75°	197.2	191.8	187.8	186.4	183.8	182.4	181.1	178.4	179.7	181.1	178.4
77.5°	152.9	146.2	144.9	144.9	140.8	140.8	142.2	140.8	139.5	139.5	139.5
80°	112.7	107.3	107.3	104.6	101.9	101.9	101.9	101.9	100.6	99.3	100.6
82.5°	72.4	71.1	69.8	69.8	72.4	67.1	69.8	68.4	67.1	67.1	65.7
85°	40.2	41.6	40.2	41.6	38.9	40.2	40.2	40.2	38.9	40.2	37.6
87.5°	14.8	14.8	14.8	16.1	16.1	16.1	16.1	16.1	17.4	16.1	16.1
90°	27.8	26.9	26.0	25.1	24.2	21.3	18.4	15.5	12.6	11.1	10.0
92.5°	32.5	31.0	29.4	27.9	26.3	24.3	22.3	20.2	18.2	17.2	17.9
95°	37.6	36.0	34.5	32.9	31.3	28.8	26.4	23.9	21.4	20.2	24.8
97.5°	39.5	37.7	35.9	34.1	32.3	43.7	55.2	66.6	78.1	83.8	86.9
100°	40.5	38.7	36.9	35.1	33.3	68.3	103.3	138.4	173.4	190.9	188.7
102.5°	45.1	52.5	59.9	67.3	74.7	113.8	152.8	191.9	231.0	250.5	249.0
105°	62.3	102.0	141.7	181.5	221.2	241.4	261.6	281.8	302.0	312.1	310.9
107.5°	254.6	289.2	323.7	358.3	392.9	389.5	386.1	382.8	379.4	377.7	376.7
110°	425.9	433.3	440.7	448.1	455.5	453.0	450.6	448.1	445.6	444.4	443.5

TEST NUMBER: P1030640

CATALOG NUMBER: S123DIW-B1000D1030UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	527.2	525.2	523.1	521.1	519.1	516.6	514.2	511.7	509.2	508.0	507.2
115°	588.7	586.4	584.2	581.9	579.7	577.7	575.7	573.6	571.6	570.6	569.9
117.5°	646.5	644.7	642.9	641.1	639.3	638.2	637.1	636.0	634.9	634.3	633.5
120°	704.1	702.3	700.5	698.7	696.9	696.2	695.5	694.8	694.1	693.8	692.8
122.5°	758.9	757.8	756.7	755.5	754.4	753.5	752.6	751.7	750.8	750.4	749.6
125°	809.8	809.3	808.9	808.4	808.0	807.1	806.2	805.3	804.4	803.9	803.0
127.5°	864.2	863.5	862.8	862.2	861.5	860.4	859.3	858.2	857.1	856.5	855.6
130°	912.6	911.7	910.8	909.9	909.0	908.1	907.2	906.3	905.4	904.9	904.0
132.5°	958.0	957.1	956.2	955.3	954.4	953.7	953.1	952.4	951.7	951.4	950.5
135°	1003.6	1002.9	1002.2	1001.6	1000.9	1000.0	999.1	998.2	997.3	996.8	996.1
137.5°	1045.7	1044.6	1043.5	1042.4	1041.3	1040.9	1040.4	1040.0	1039.5	1039.3	1038.4
140°	1084.3	1083.4	1082.5	1081.6	1080.7	1080.0	1079.3	1078.6	1077.9	1077.6	1076.9
142.5°	1120.8	1120.1	1119.4	1118.7	1118.0	1117.3	1116.7	1116.0	1115.3	1115.0	1114.3
145°	1154.2	1153.7	1153.3	1152.8	1152.4	1152.0	1151.5	1151.1	1150.6	1150.4	1149.6
147.5°	1185.5	1185.0	1184.6	1184.1	1183.7	1183.3	1182.8	1182.4	1181.9	1181.7	1181.1
150°	1213.8	1213.3	1212.9	1212.4	1212.0	1211.5	1211.1	1210.6	1210.1	1209.9	1209.6
152.5°	1239.8	1238.9	1238.0	1237.1	1236.2	1236.0	1235.8	1235.5	1235.3	1235.2	1235.1
155°	1262.9	1261.8	1260.7	1259.5	1258.4	1258.2	1258.0	1257.7	1257.5	1257.4	1257.6
157.5°	1284.0	1282.7	1281.3	1280.0	1278.6	1278.8	1279.0	1279.3	1279.5	1279.6	1279.6
160°	1301.1	1299.8	1298.5	1297.1	1295.8	1296.0	1296.2	1296.5	1296.7	1296.8	1296.9
162.5°	1317.2	1315.6	1314.1	1312.5	1310.9	1311.1	1311.3	1311.6	1311.8	1311.9	1312.2
165°	1331.2	1329.4	1327.7	1325.9	1324.1	1324.3	1324.5	1324.8	1325.0	1325.1	1325.4
167.5°	1342.4	1340.6	1338.8	1337.0	1335.2	1335.2	1335.2	1335.2	1335.2	1335.2	1335.6
170°	1351.4	1349.6	1347.9	1346.1	1344.3	1344.3	1344.3	1344.3	1344.3	1344.3	1344.7
172.5°	1357.5	1355.7	1353.9	1352.1	1350.3	1350.1	1349.9	1349.6	1349.4	1349.3	1349.9
175°	1361.6	1360.1	1358.5	1357.0	1355.4	1355.2	1355.0	1354.7	1354.5	1354.4	1355.0
177.5°	1364.6	1362.8	1361.0	1359.2	1357.4	1357.2	1357.0	1356.7	1356.5	1356.4	1357.0
180°	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4

TEST NUMBER: P1030640

CATALOG NUMBER: S123DIW-B1000D1030UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1384.3	1384.3	1384.3	1384.3
2.5°	1354.8	1358.8	1372.2	1388.3
5°	1327.9	1338.7	1357.5	1382.9
7.5°	1298.4	1314.5	1341.4	1373.6
10°	1264.9	1287.7	1321.2	1361.5
12.5°	1228.7	1258.2	1301.1	1342.7
15°	1205.9	1235.4	1274.3	1319.9
17.5°	1161.6	1196.5	1236.7	1301.1
20°	1116.0	1154.9	1207.2	1271.6
22.5°	1081.1	1122.7	1172.4	1240.8
25°	1039.6	1082.5	1136.1	1207.2
27.5°	995.3	1038.2	1098.6	1173.7
30°	961.8	1003.3	1061.0	1141.5
32.5°	921.5	961.8	1022.1	1106.6
35°	875.9	921.5	979.2	1065.0
37.5°	841.0	882.6	943.0	1024.8
40°	803.5	839.7	898.7	979.2
42.5°	763.2	803.5	854.4	934.9
45°	725.7	755.2	807.5	884.0
47.5°	685.4	719.0	759.2	818.2
50°	642.5	670.7	714.9	755.2
52.5°	600.9	623.7	661.3	692.1
55°	556.7	579.5	607.6	626.4
57.5°	515.1	531.2	550.0	562.0
60°	464.1	480.2	492.3	504.4
62.5°	418.5	430.6	437.3	444.0
65°	371.6	378.3	382.3	387.7
67.5°	320.6	327.3	328.6	336.7
70°	273.6	275.0	277.7	281.7
72.5°	229.4	232.1	230.7	233.4
75°	183.8	186.4	183.8	186.4
77.5°	139.5	142.2	142.2	146.2
80°	100.6	101.9	103.3	103.3
82.5°	65.7	69.8	67.1	68.4
85°	37.6	38.9	38.9	40.2
87.5°	17.4	18.8	17.4	20.1
90°	7.7	5.5	3.2	1.0
92.5°	19.2	20.5	21.9	23.2
95°	34.0	43.2	52.4	61.6
97.5°	93.2	99.5	105.8	112.1
100°	184.2	179.7	175.2	170.7
102.5°	246.1	243.2	240.2	237.3
105°	308.4	305.9	303.5	301.0
107.5°	374.7	372.6	370.6	368.6
110°	441.7	439.9	438.1	436.3

TEST NUMBER: P1030640

CATALOG NUMBER: S123DIW-B1000D1030UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	505.6	504.1	502.5	500.9
115°	568.6	567.3	565.9	564.6
117.5°	631.9	630.4	628.8	627.2
120°	690.8	688.8	686.8	684.8
122.5°	748.0	746.5	744.9	743.3
125°	801.2	799.5	797.7	795.9
127.5°	853.8	852.0	850.2	848.4
130°	902.2	900.4	898.6	896.8
132.5°	948.7	946.9	945.1	943.3
135°	994.8	993.5	992.1	990.8
137.5°	1036.6	1034.8	1033.0	1031.2
140°	1075.6	1074.3	1072.9	1071.6
142.5°	1113.0	1111.6	1110.3	1108.9
145°	1148.0	1146.5	1144.9	1143.3
147.5°	1180.0	1178.9	1177.7	1176.6
150°	1208.9	1208.2	1207.6	1206.9
152.5°	1234.9	1234.6	1234.4	1234.2
155°	1258.1	1258.5	1259.0	1259.4
157.5°	1279.6	1279.6	1279.6	1279.6
160°	1297.1	1297.4	1297.6	1297.8
162.5°	1312.9	1313.6	1314.3	1315.0
165°	1326.1	1326.8	1327.4	1328.1
167.5°	1336.5	1337.4	1338.3	1339.2
170°	1345.6	1346.5	1347.4	1348.3
172.5°	1351.0	1352.1	1353.3	1354.4
175°	1356.1	1357.2	1358.3	1359.4
177.5°	1358.1	1359.2	1360.3	1361.4
180°	1359.4	1359.4	1359.4	1359.4

(END OF REPORT)